Purpose One of the most frequently used instruments for evaluating depression in adults, the questionnaire allows clinicians to assess the nature and severity of mood disorders in patient populations. The scale is comprised of 21 items for inquiry, though only the first 17 are used in scoring. Each question examines a different symptom or aspect of depression, including: mood, guilty feelings, suicidal ideation, insomnia, agitation, and somatic symptoms. The scale is suitable for use in a variety of research and clinical settings, and can be applied as both a single-use instrument for measuring depression severity and as a tool for monitoring changes in depressive symptoms over the course of treatment. Items 4, 5, and 6 refer specifically to sleep, inquiring about insomnia prior to sleep onset, disturbed sleep in the middle of the night, and trouble falling back sleep in the early morning, respectively. Other items may be peripherally involved with sleep difficulties as they refer to fatigue, retardation, and somatic symptoms in general. It should be noted that there have been different iterations with longer, shorter, and one version with specific modifications for seasonal affective disorder [10].

Population for Testing The scale has been validated across a variety of studies, primarily in adult populations possessing major depressive disorder.

Administration The scale is administered through an interview conducted by a trained

clinician. Its administration time will vary depending on the specific needs of the patient and the interviewer's preferred approach. On average, it should require approximately 10-15 min. Some have expressed concern regarding the interpretive nature of the instrument. The scale requires a trained clinician capable of distilling information regarding both frequency and intensity of symptoms into a single score, potentially making it inefficient for use in large research projects. To address this, a number of researchers (including Potts and colleagues [1]) have designed structured-interview versions of the HAM-D which can be administered in a variety of settings by interviewers without backgrounds in psychiatry. For even greater ease of use, a self-report, paperand-pencil version is also available – the Hamilton Depression Inventory developed by Reynolds and Kobak [2]. Additional alternative versions include tests with fewer items and questionnaires with modified rating scales.

Reliability and Validity The psychometric properties of the HAM-D have been examined in a wide array of studies since its creation by Hamilton in 1960 [3]. One of the most recent reviews conducted by Bagby and colleagues [4] evaluated psychometric properties reported in 70 different articles, finding an internal reliability ranging from .46 to .97, an inter-rater reliability of .82 to .98, and a test—retest reliability of .81 to .98. Though scores for the scale as a whole appear to be quite high, studies examining inter-rater reliabilities and

test-retest coefficients at the level of individual items have found values that are much lower. Others have criticized the scale as outdated in terms of the DSM-IV definition of depression and have claimed that its scoring is unclear. Overall, the HAM-D's tremendous staying power has made it the subject of studies both laudatory and critical in nature [5, 6]. Decisions regarding its psychometric suitability should be undertaken carefully and on a case-by-case basis. For one of Hamilton's final writings on the subject of depression and the selection of depression scales, turn to a review written by Hamilton and Shapiro in *Measuring Human Problems: A Practical Guide* [7].

Obtaining a Copy A copy of the original scale can be found in Hamilton [3]. A large number of modified versions are available from their respective designers.

Scoring Though all 21 items may be valuable for both research and clinical purposes, only the first 17 are used for scoring. During the interview, clinicians solicit patient reports on a variety of depressive symptoms and use their clinical expertise to assign each a score for severity. For the majority of questions, scores range from 0 to 4, with 4 representing more acute signs of depression. Several questions have ranges that extend only as high as 2 or 3. A total score is tallied and can then be compared with previous scores or can be contrasted with a pre-defined cutoff score. Over the decades, a number of values have been suggested as potential cutoffs - total scores to be used as indicators of remission. Though the cutoff of 7 suggested by Frank and colleagues [8] has become a consensus for determining remission, others suggest that it should be as low as 2 [9].

Hamilton Depression Rating Scale (HDRS)

PLEASE COMPLETE THE SCALE BASED ON A STRUCTURED INTERVIEW

Instructions: for each item select the one "cue" which best characterizes the patient. Be sure to record the answers in the appropriate space

(positions 0 through 4).						
ī	DEPRESSED MOOD (sadness, hopeless, helpless, worthless) 0	2	FEELINGS OF GUILT 0			
4	SUICIDE 0	11	ANXIETY SOMATIC (physiological concomitants of anxiety) such as: gastro-intestinal – dry mouth, wind, indigestion, diarrhea, cramps, belching cardio-vascular – palpitations, headaches respiratory – hyperventilation, sighing urinary frequency sweating 0			
5	INSOMNIA: MIDDLE OF THE NIGHT	12	SOMATIC SYMPTOMS GASTRO-INTESTINAL None. Loss of appetite but eating without staff encouragement. Heavy feelings in abdomen. Difficulty eating without staff urging. Requests or requires laxatives or medication for bowels or medication for gastro-intestinal symptoms.			

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6	INSOM	NIA: EARLY HOURS OF THE MORNING		
	0	No difficulty.	13	GENERAL SOMATIC SYMPTOMS
	1 []	Waking in early hours of the morning but goes back		0 None.
		to sleep.		Heaviness in limbs, back or head. Backaches,
	2	Unable to fall asleep again if he/she gets out of bed.		headaches, muscle aches. Loss of energy and
				fatigability.
7	WORK	AND ACTIVITIES		2 Any clear-cut symptom rates 2.
	0	No difficulty.		_ , , , ,
	1 1	Thoughts and feelings of incapacity, fatigue or	14	GENITAL SYMPTOMS (symptoms such as loss of libido,
		weakness related to activities, work or hobbies.		menstrual disturbances)
	2	Loss of interest in activity, hobbies or work - either		0 Absent.
		directly reported by the patient or indirect in		I Mild.
		listlessness, indecision and vacillation (feels he/she has		2 Severe.
		to push self to work or activities).		_
	3	Decrease in actual time spent in activities or decrease	15	HYPOCHONDRIASIS
		in productivity. Rate 3 if the patient does not spend at		0 Not present.
		least three hours a day in activities (job or hobbies)		Self-absorption (bodily).
		excluding routine chores.		2 Preoccupation with health.
	4 _	Stopped working because of present illness. Rate 4 if		3 Frequent complaints, requests for help, etc.
		patient engages in no activities except routine chores,		4 _ Hypochondriacal delusions.
		or if patient fails to perform routine chores unassisted.		
			16	LOSS OF WEIGHT (RATE EITHER a OR b)
8 RETARDATION (slowness of thought and speech, impaired				a) According to the b) According to weekly
abil		centrate, decreased motor activity)		patient: measurements:
	0 _	Normal speech and thought.		0 _ No weight loss. 0 _ Less than I lb weight loss in
	, i_i	Slight retardation during the interview.		week.
	2 _	Obvious retardation during the interview.		I _ Probable weight
	3 _	Interview difficult.		loss associated with in week.
	4 _	Complete stupor.		present illness.
•	ACITA	TION		2 _ Definite (according 2 _ Greater than 2 lb weight loss
9	AGITA	None.		to patient) weight in week. loss.
	٠ <u> </u>			
	2 -	Fidgetiness. Playing with hands, hair, etc.		3 _ Not assessed. 3 _ Not assessed.
	3	Moving about, can't sit still.	17	INSIGHT
	4	Hand wringing, nail biting, hair-pulling, biting of lips.	.,	0 Acknowledges being depressed and ill.
	7 1_1	riand wringing, nan olding, nan-puning, olding of hps.		Acknowledges illness but attributes cause to bad food,
10	ANXIE	TY PSYCHIC		climate, overwork, virus, need for rest, etc.
	0	No difficulty.		2 Denies being ill at all.
	1 11	Subjective tension and irritability.		
	2 1 1	Worrying about minor matters.	To	otal score:
	3	Apprehensive attitude apparent in face or speech.		
	4	Fears expressed without questioning.		
	11	1		

This scale is in the public domain.

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Representative Studies Using Scale

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